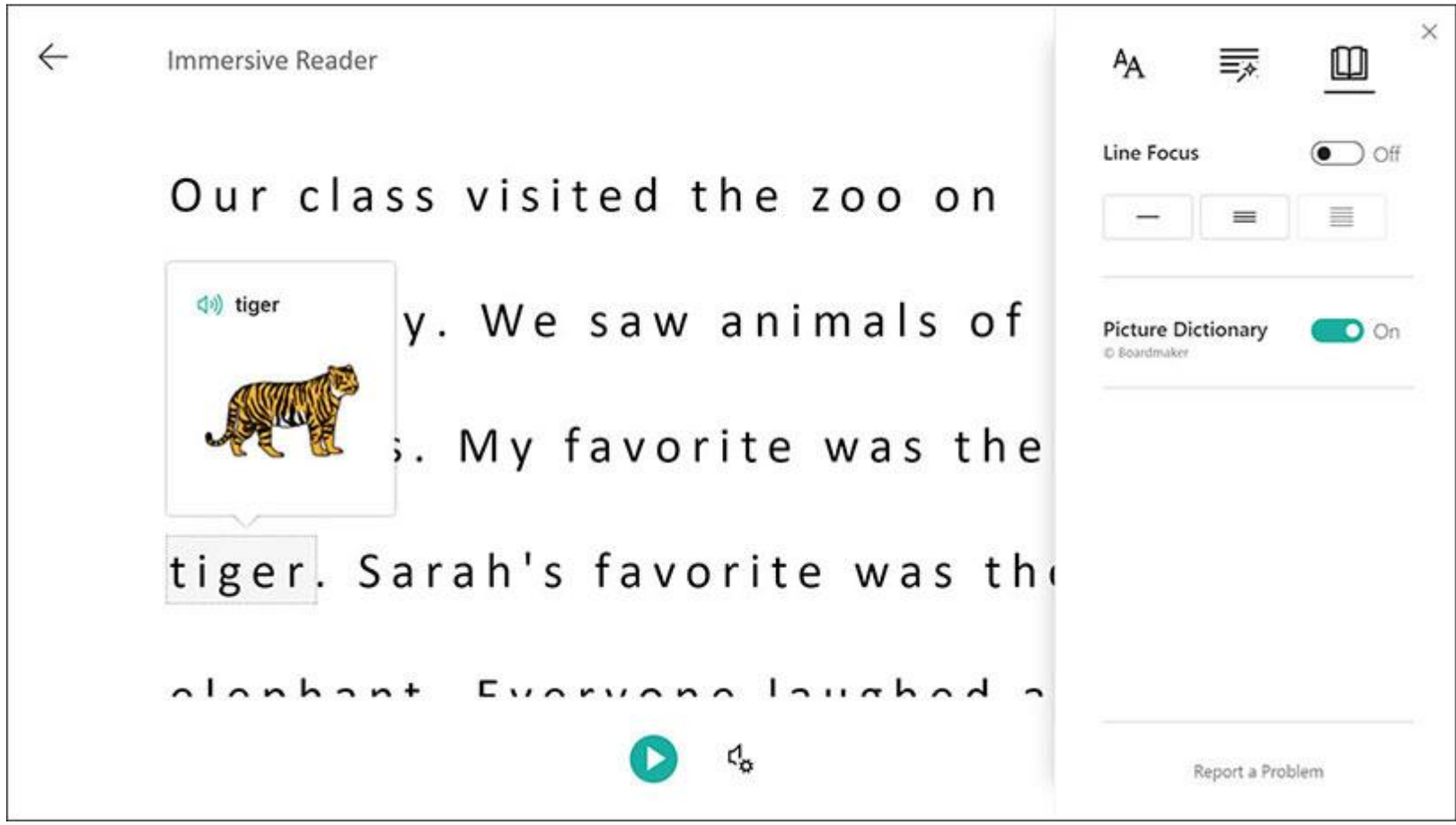
@rorypreddy

Immersive reader

Empower users of all

ages and abilities



https://aka.ms/immersive-java

Microsoft

Agenda

1. Accessibility 101
2. Immersive Reader
3. Cognitive Services API

Disability

≠

Personal
Health
Condition

Disability

=

Mismatched
Human
Interactions

WCAG - 4 main accessibility principles

- Perceivable – *can you see it*
- Operable – *can you use it*
- Understandable – *can you understand it*
- Robust – *it won't break future technologies*

KEEP CALM IT IS DEMO TIME

https://accessibilityinsights.io/

Azure AI services

Bot Service

Accelerated development for conversational AI.

Cognitive Services

Vision, speech, language, decision and search pre-trained services customizable for any scenario.

Azure Machine Learning

Experimentation and management services for creating AI models with productivity.

Microsoft Cognitive Services

Vision

- Video Indexer
- Computer Vision
- Face
- Custom Vision
- Form Recognizer
- Ink Recognizer

Speech

- Speaker Recognition
- Custom Speech
- Translator Speech
- Unified Speech
  - Speech to Text w. Custom Speech
  - Text to Speech w. Custom Voice
  - Speech Translation w. Custom Translator

Language

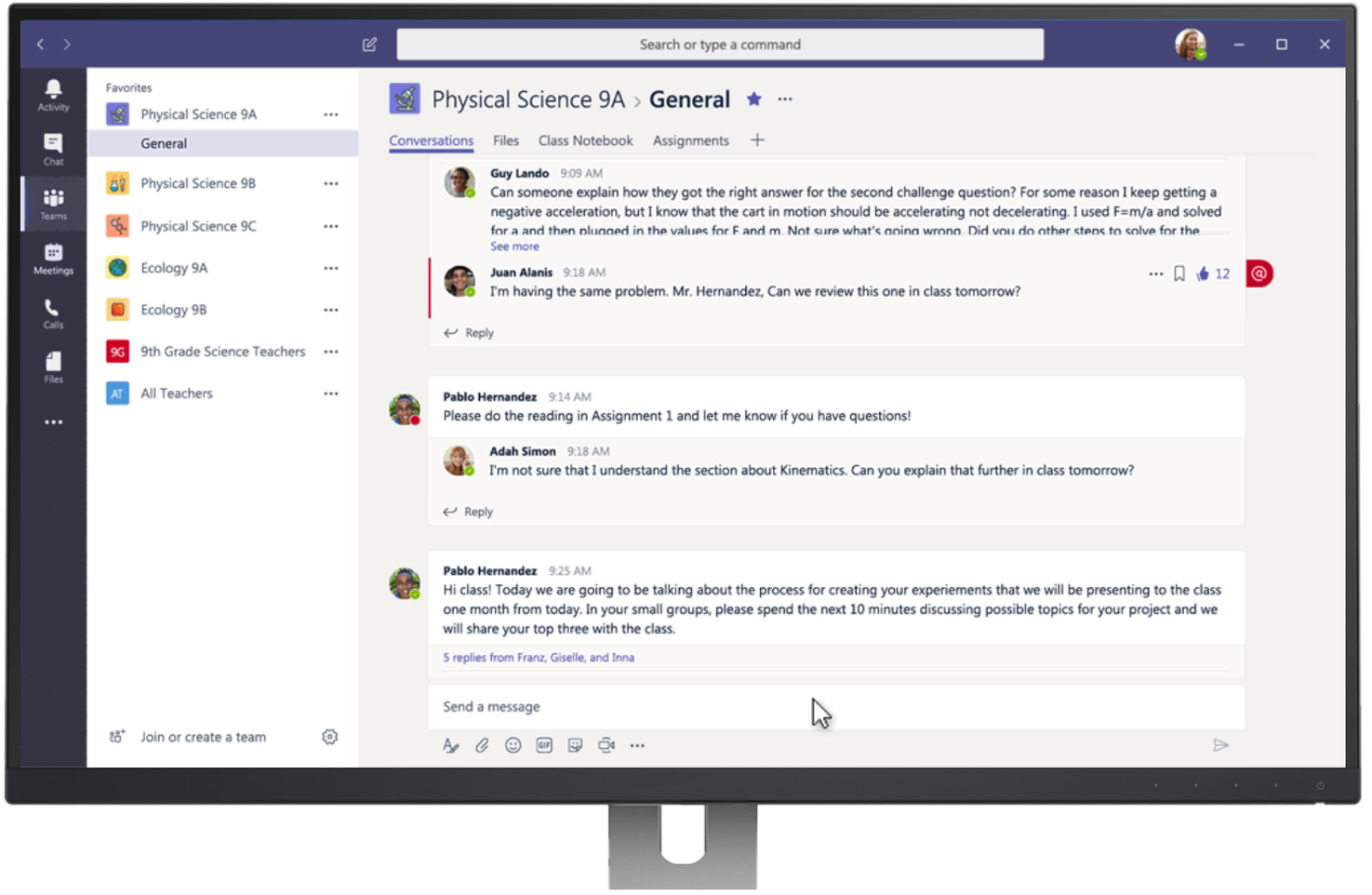
- Text Analytics
- Immersive Reader
- Translator Text
- Language Understanding (LUIS)
- QnA Maker

Decision

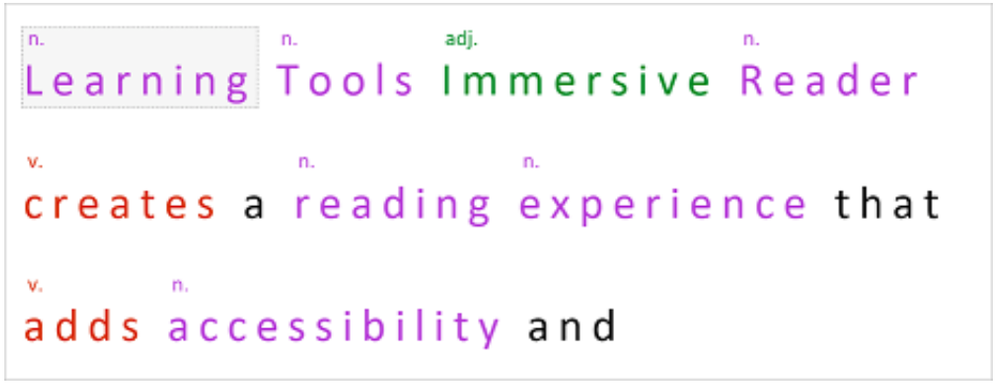
- Content Moderator
- Anomaly Detector
- Personalizer

Search

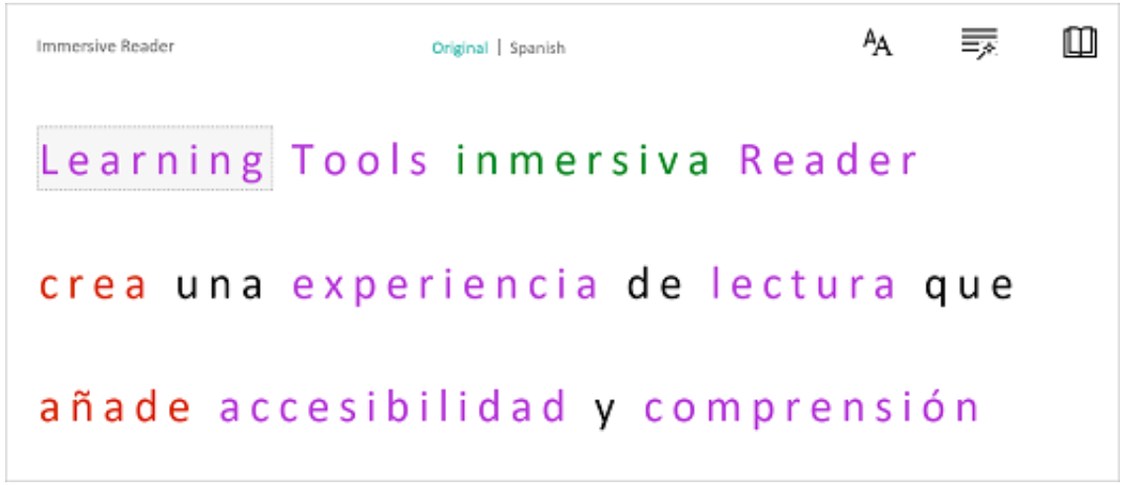
- Bing Entity Search
- Bing Autosuggest
- Bing Search
  - Web Search
  - Image Search
  - News Search
  - Video Search
  - Local Business Search
- Bing Visual Search
- Bing Custom Search


Search or type a command
Activity
Chat
Teams
Meetings
Calls
Files
Favorites
Physical Science 9A
General
Physical Science 9B
Physical Science 9C
Ecology 9A
Ecology 9B
9th Grade Science Teachers
All Teachers
Join or create a team
Physical Science 9A › General
Conversations
Files
Class Notebook
Assignments
Guy Lando 9:09 AM
Can someone explain how they got the right answer for the second challenge question? For some reason I keep getting a negative acceleration, but I know that the cart in motion should be accelerating not decelerating. I used F=m/a and solved
See more
Juan Alanis 9:18 AM
I'm having the same problem. Mr. Hernandez, Can we review this one in class tomorrow?
12
Reply
Pablo Hernandez 9:14 AM
Please do the reading in Assignment 1 and let me know if you have questions!
Adah Simon 9:18 AM
I'm not sure that I understand the section about Kinematics. Can you explain that further in class tomorrow?
Reply
Pablo Hernandez 9:25 AM
Hi class! Today we are going to be talking about the process for creating your experiements that we will be presenting to the class one month from today. In your small groups, please spend the next 10 minutes discussing possible topics for your project and we will share your top three with the class.
5 replies from Franz, Giselle, and Inna
Send a message

What can it do?

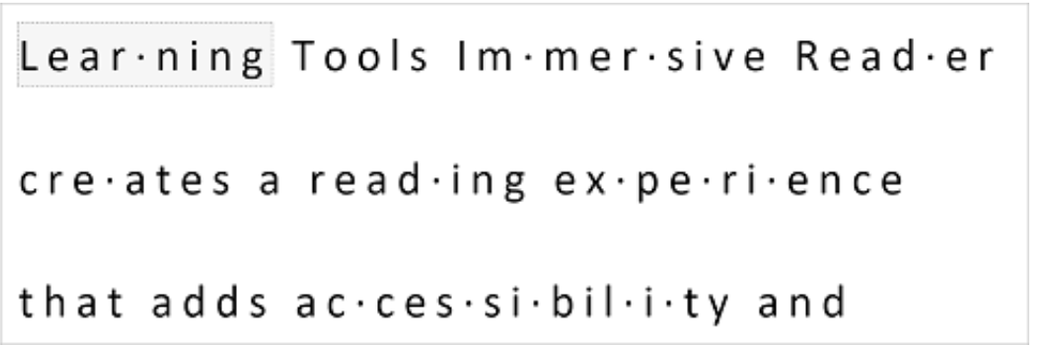


Language

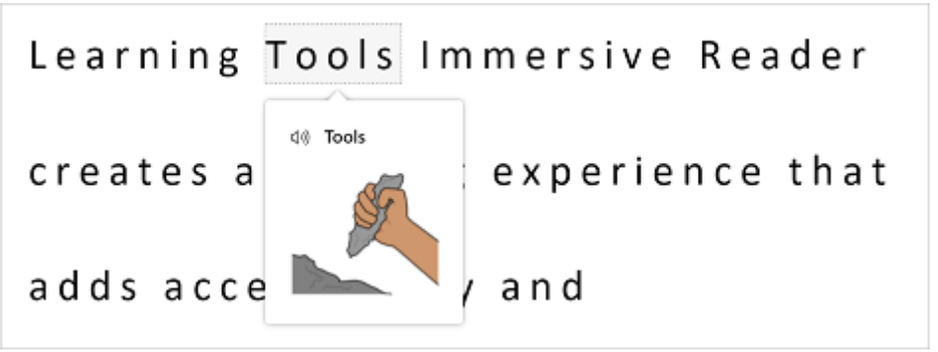


Translate to 60 languages

Pronunciation



Syllables



Pictures

How to Connect your Java App

1. Create a Cognitive Service on Azure
2. Set up authentication.
3. Create a Java web app with Tomcat.
4. Host App on Azure app services
5. Launch the Immersive Reader.

Setting Up Immersive Reader

Configure authentication and authorization (AAD or API Key)

Create a Cognitive Service Immersive Reader resource

Configure your website to use the Immersive Reader SDK

Create

Immersive Reader (Preview)

Name *

cognitiverpza

Subscription *

Visual Studio Enterprise

Location *

(US) East US

Pricing tier (View full pricing details) *

S0 (600 Sessions per minute)

Resource group *

cognitiverpza

Create new

I confirm I have read and understood the notice below. *

Create

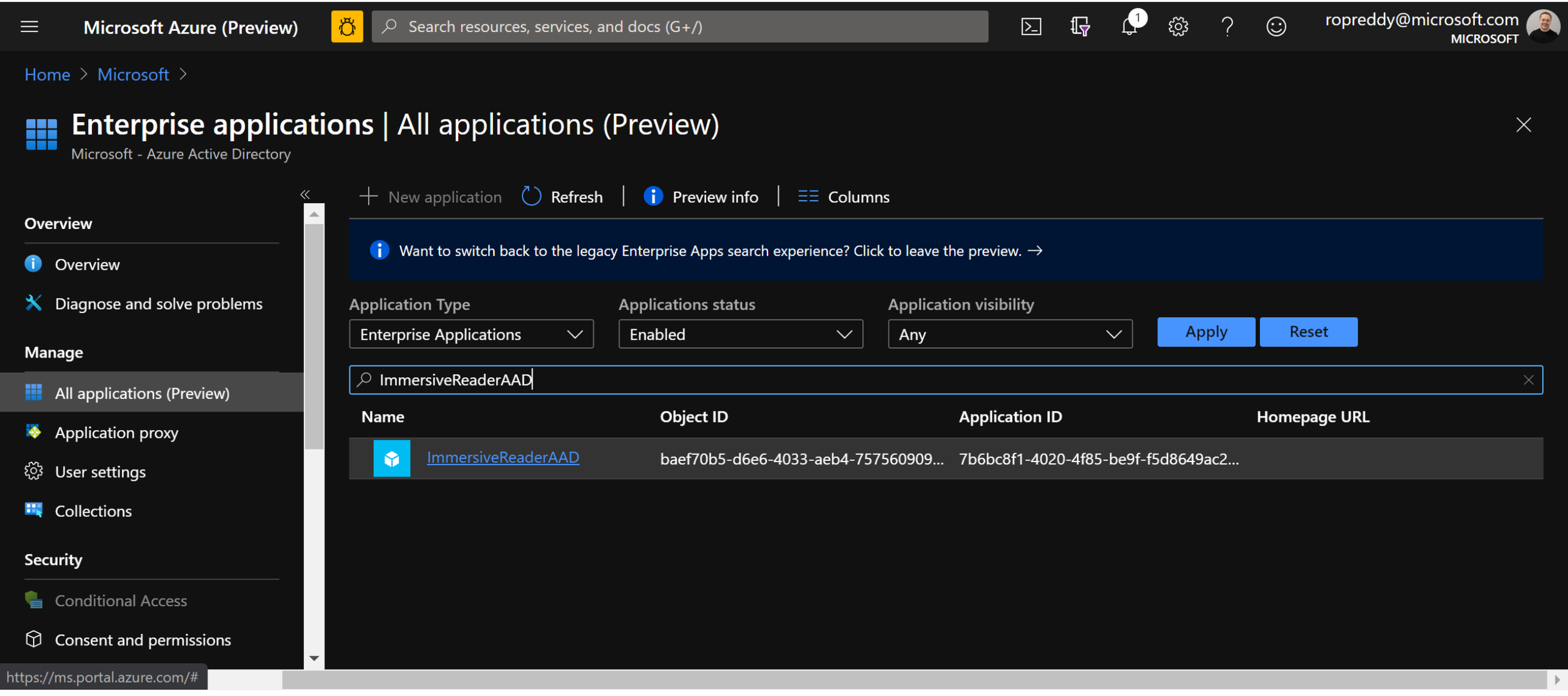
Automation options

Pricing

INSTANCE	PRICE in PREVIEW
S0 – Web	$0 per 1,000 transactions

No SLA during preview period.

Authenticate



cognitiverpza | Access control (IAM)

Cognitive Services

Search (Ctrl+/)

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems

RESOURCE MANAGEMENT

Quick start
Keys and Endpoint
Pricing tier
Networking
Identity
Billing By Subscription
Properties

Add | Edit columns | Refresh | Remove | Got feedback?

11 2000

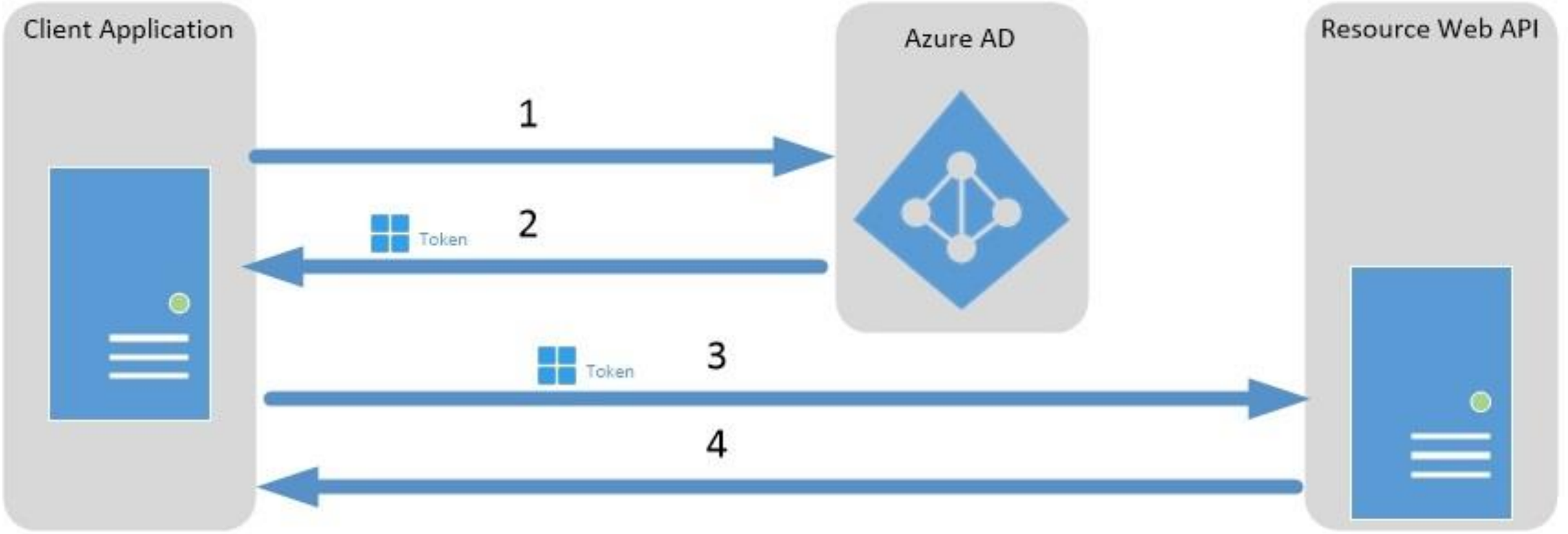
Name | Type | Role | Scope

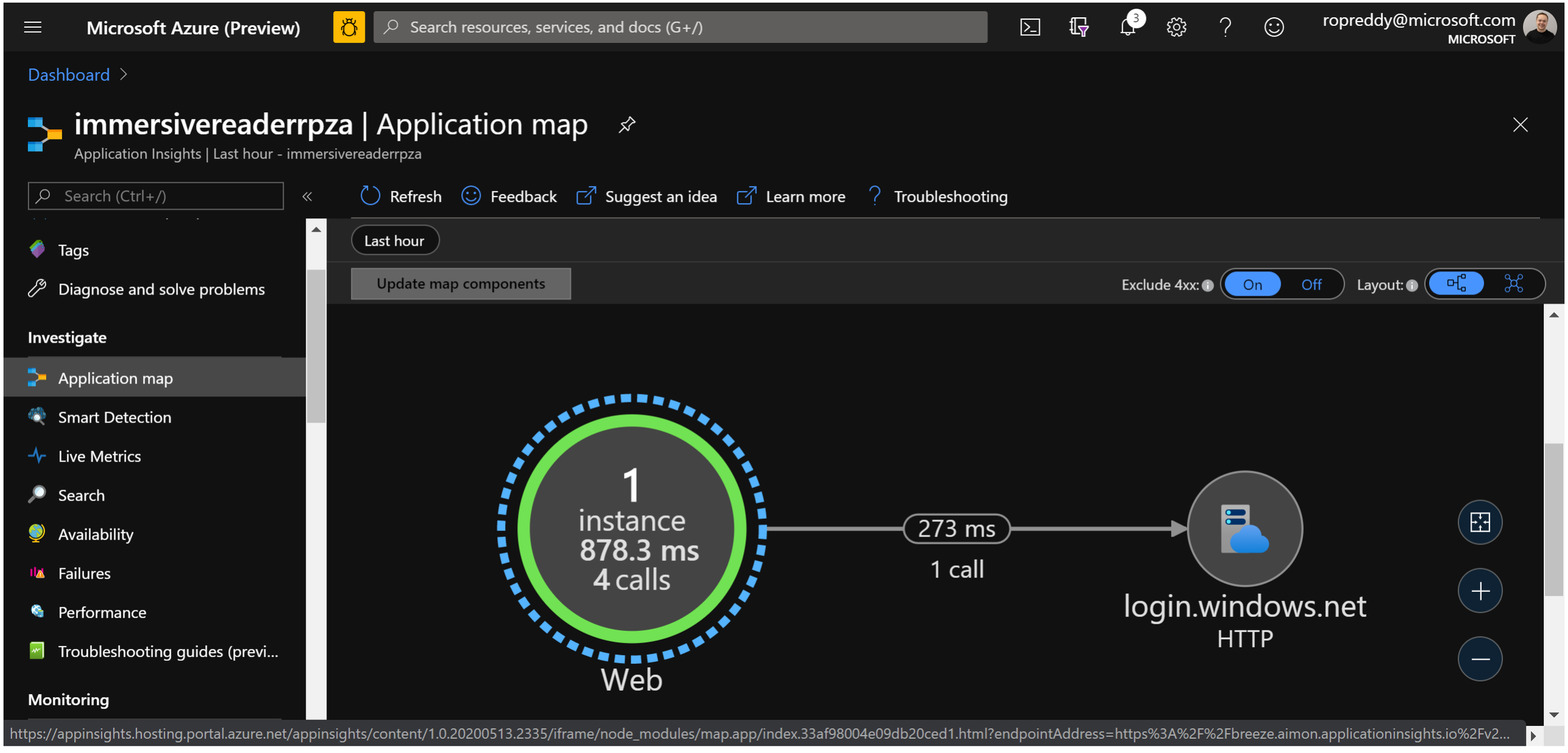
Search by name or email | All | 3 selected | All scopes

Group by: Role

13 items (11 Service Principals, 2 Unknown)

Name	Type	Role	Scope
Cognitive Services User			
ImmersiveReaderAAD	App	Cognitive Services User	This resource
Contributor			
adminrpza	App	Contributor	Subscription
demorpza-smarthotel-052a4c	App	Contributor	Subscription


Client Application
Azure AD
Resource Web API
1
Token
2
Token
3
4


Microsoft Azure (Preview)
Search resources, services, and docs (G+/)
ropreddy@microsoft.com
MICROSOFT
Dashboard
immersivereaderrpza | Application map
Application Insights | Last hour - immersivereaderrpza
Search (Ctrl+/)
Refresh
Feedback
Suggest an idea
Learn more
Troubleshooting
Tags
Diagnose and solve problems
Investigate
Application map
Smart Detection
Live Metrics
Search
Availability
Failures
Performance
Troubleshooting guides (previ...
Monitoring
Last hour
Update map components
Exclude 4xx:
On
Off
Layout:
1
instance
878.3 ms
4 calls
Web
273 ms
1 call
login.windows.net
HTTP
https://appinsights.hosting.portal.azure.net/appinsights/content/1.0.20200513.2335/iframe/node_modules/map.app/index.33af98004e09db20ced1.html?endpointAddress=https%3A%2F%2Fbreeze.aimon.applicationinsights.io%2Fv2...

cognitiverpza | Keys and Endpoint

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Regenerate Key1 Regenerate Key2

These keys are used to access your Cognitive Service API. Do not share your keys. Store them securely– for example, using Azure Key Vault. We also recommend regenerating these keys regularly. Only one key is necessary to make an API call. When regenerating the first key, you can use the second key for continued access to the service.

Show Keys

KEY 1

••••••••••••••••••••••••••••••••

KEY 2

••••••••••••••••••••••••••••••••

ENDPOINT

https://cognitiverpza.cognitiveservices.azure.com/

LOCATION

eastus

KEEP
CALM
IT IS
DEMO
TIME

https://github.com/roryp/immersive-java

Conclusion

1. Accessibility
2. Immersive Reader
3. Cognitive Services API

https://aka.ms/immersive-java

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